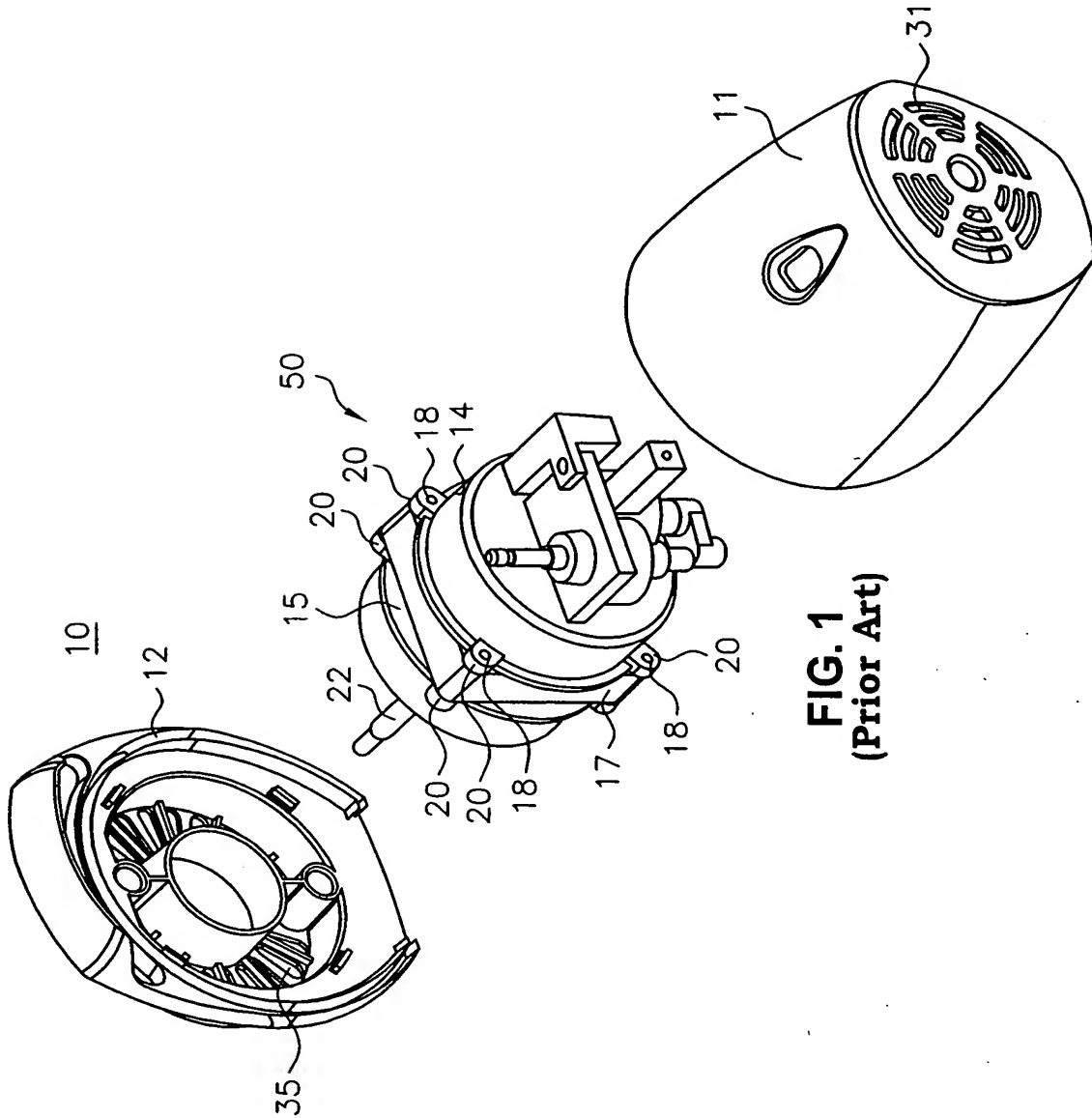


1/9



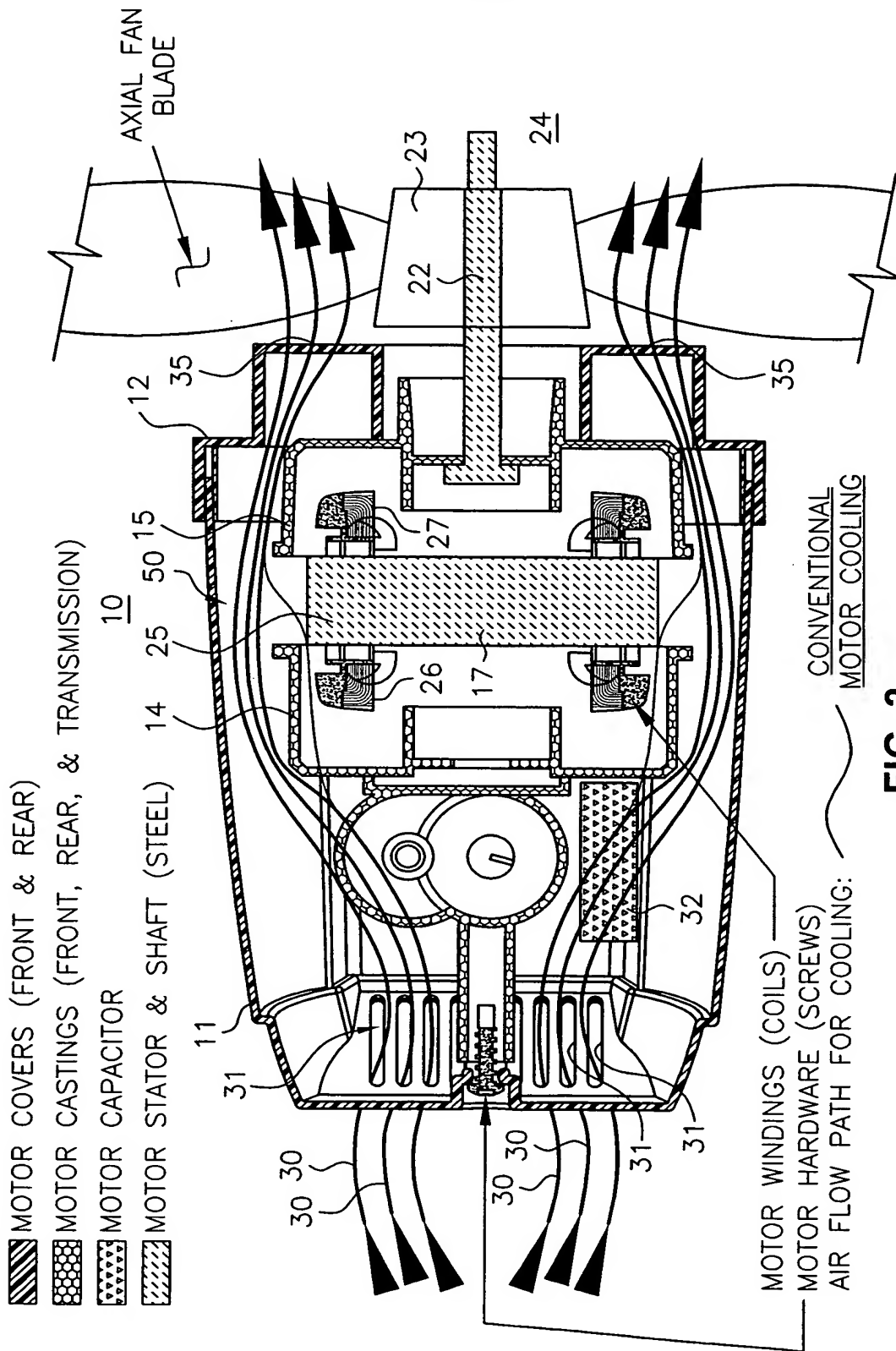
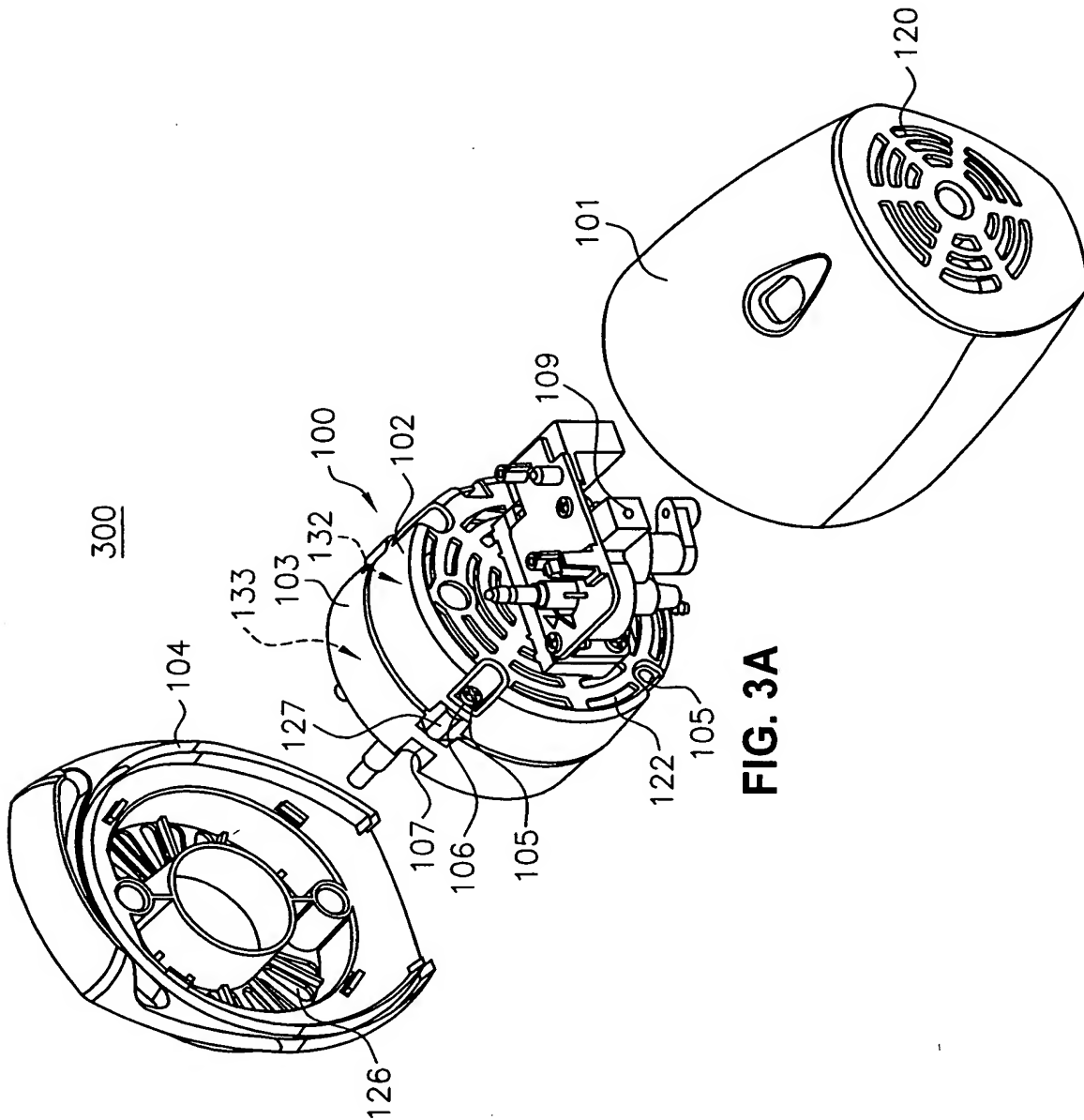
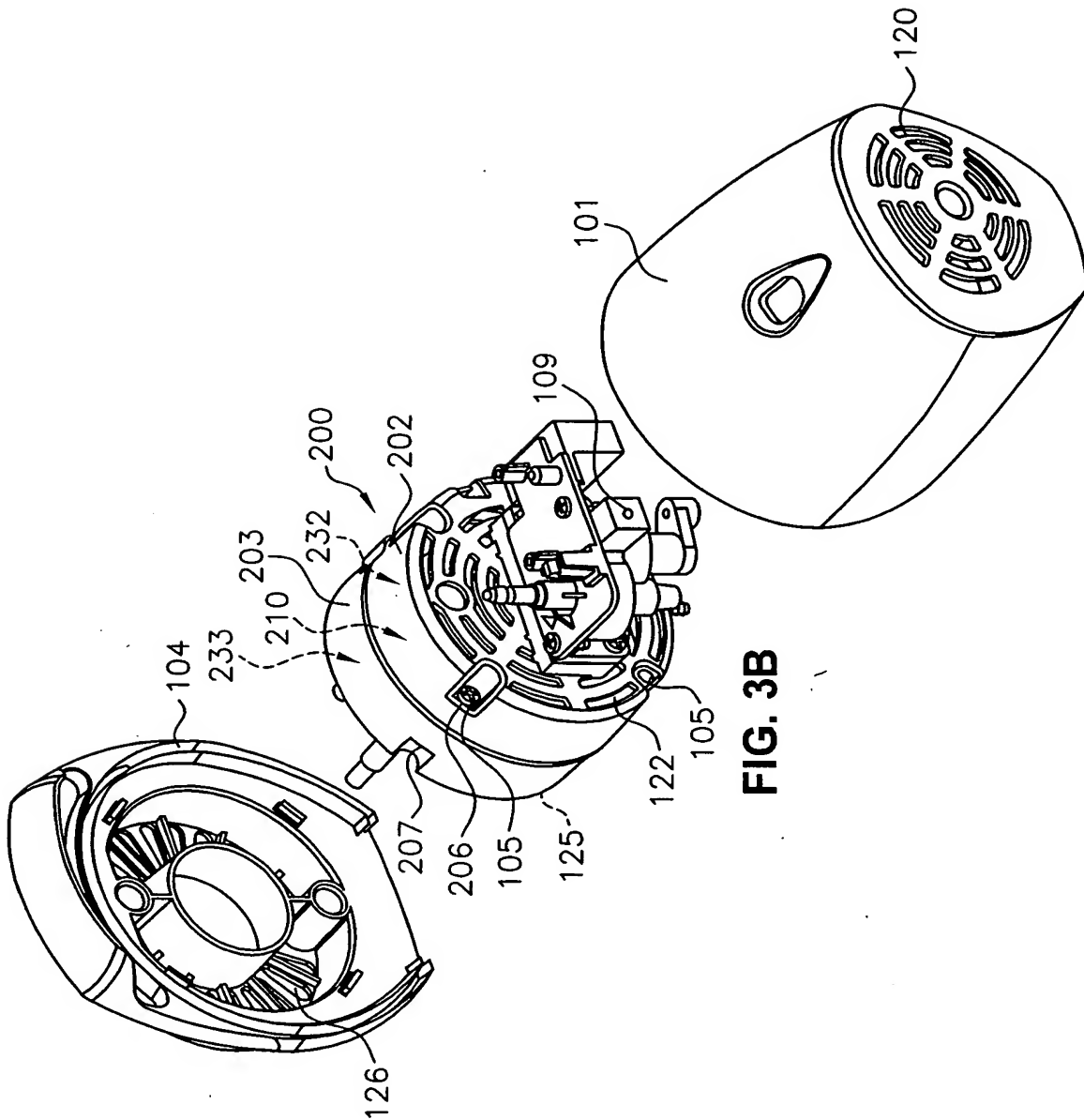


FIG. 2
(Prior Art)

3/9





5/9

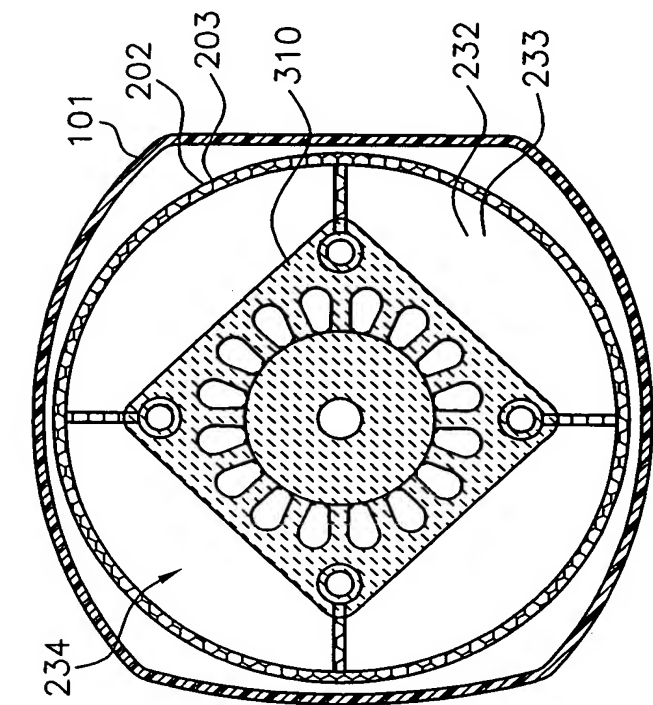


FIG. 3D

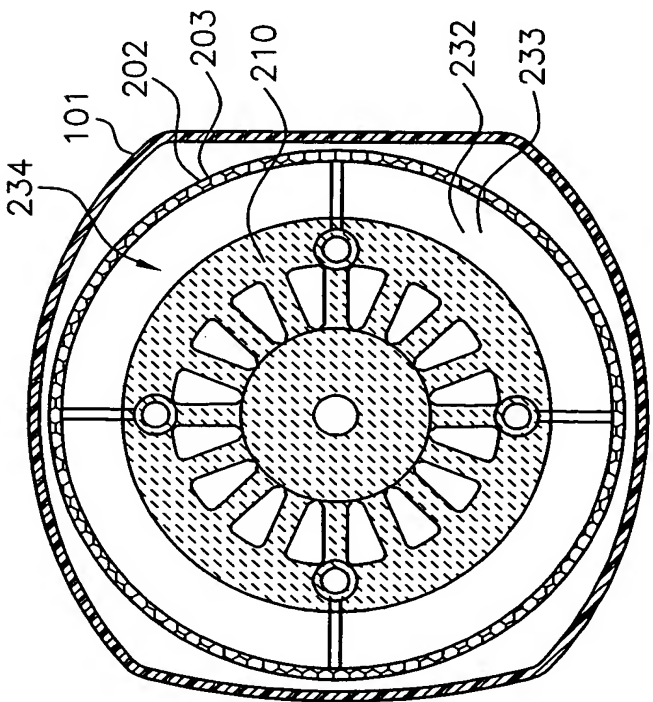
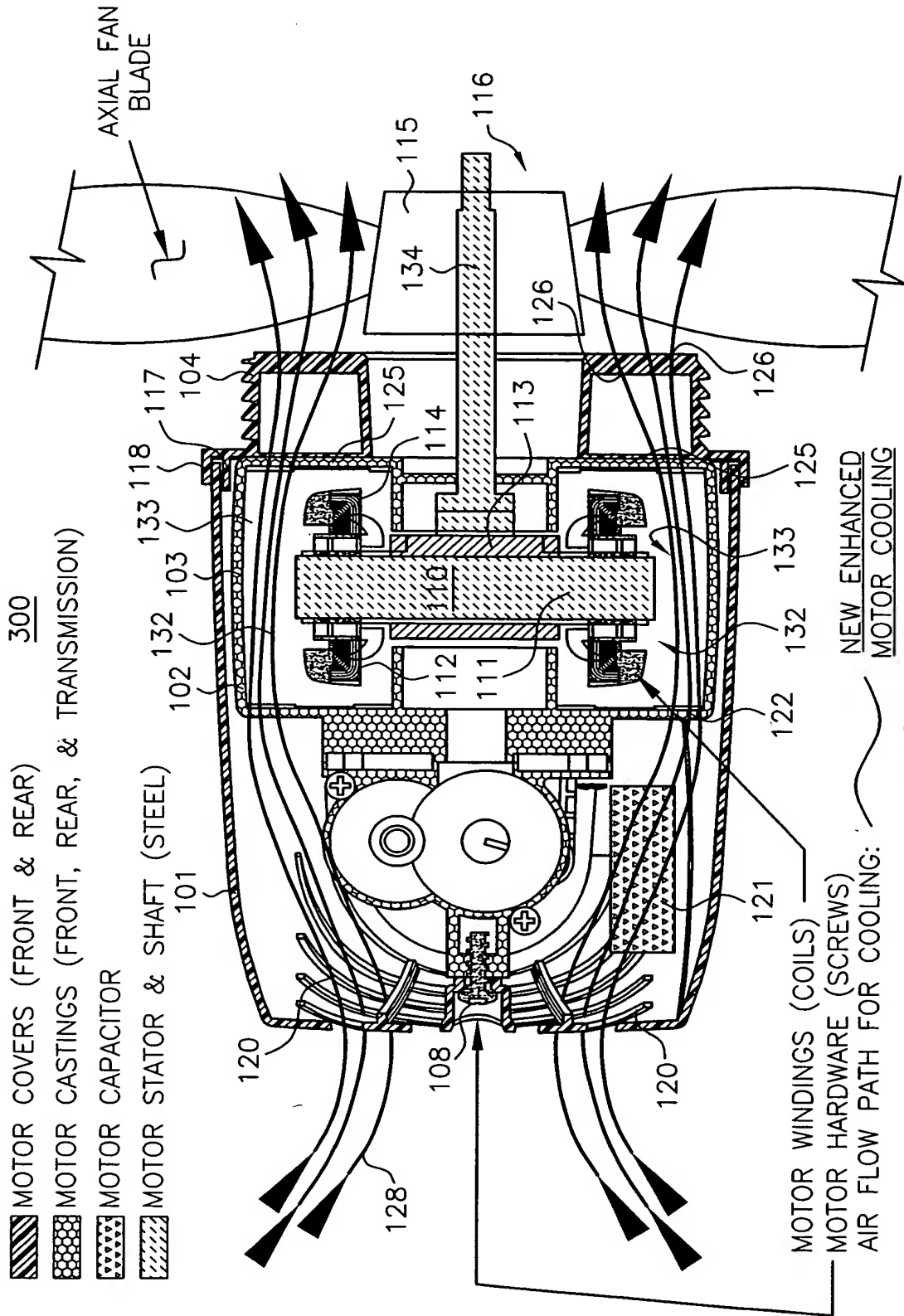


FIG. 3C

6/9



7/9

FAN TEST DATA –MOTOR/FAN PERFORMANCE

PERFORMANCE LOADED

SPEED	RPM	AMPS	WATTS		%eff	TEMP	VOLTAGE		TORQUE			CFM	
			in	out		$\Delta^{\circ}\text{C}$	start	cap	start	run	in/oz stall		
TEST 1	high	1118	1.030	114.1		70.58							
	med												
	low	771	0.606	72.1		64.03							
TEST 2	high												
	med												
	low												
TEMPERATURE RISE RESISTANCE													
Blade:18";5P;SLA;NINJA						Tare:0.400		Blade:		Tare:			
SPEED	RO Ω	TO $^{\circ}\text{C}$	RX Ω	TX $^{\circ}\text{C}$	TEMP $\Delta^{\circ}\text{C}$	SPEED	RO Ω	TO $^{\circ}\text{C}$	RX Ω	TX $^{\circ}\text{C}$	TEMP $\Delta^{\circ}\text{C}$		
TEST 1	high	39.77	21.9	50.53	21.4	70.58	TEST 2	high					
	med	66.05	21.9					med					
	low	87.86	21.9	109.60	21.6	64.03		low					
PERFORMANCE IDLE						LOCKED ROTOR							
SPEED	AMPS	WATTS	V	CAP	TEMP	TIME(min)		AMPS	WATTS	TEMP	TEMP	TIME(min)	
		in			$\Delta^{\circ}\text{C}$	trip	reset		in	$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$	trip	reset
high													
med													
low													
THERMOCOUPLE (LOC)					$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$	THERMOCOUPLE (LOC)					$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$
TOP FRONT COIL 27					96.90	75.50							
TOP REAR COIL 26					85.88	64.28							

FIG. 5

502

8/9

FAN TEST DATA –MOTOR/FAN PERFORMANCE

PERFORMANCE LOADED													
SPEED	RPM	AMPS	WATTS		%eff	TEMP Δ °C	VOLTAGE		TORQUE in/oz			CFM	
			in	out			start	cap	start	run	stall		
TEST 1	high	1140	1.066	117.1		46.14							
	med												
	low												
TEST 2	high												
	med												
	low												
TEMPERATURE RISE RESISTANCE													
Blade: 18";5P;SLA;NINJA Tare: 0.400 Blade: Tare:													
SPEED	ROΩ	TO °C	RXΩ	TX °C	TEMP Δ °C	SPEED	ROΩ	TO °C	RXΩ	TX °C	TEMP Δ °C		
TEST 1	high	39.38	21.9	46.41	22.0	46.14	TEST 2	high					
	med		21.9					med					
	low		21.9					low					
PERFORMANCE IDLE						LOCKED ROTOR							
SPEED	AMPS	WATTS in	V	CAP	TEMP Δ °C	TIME(min) trip reset	AMPS	WATTS in	TEMP Σ °C TC	TEMP Δ °C	TIME(min) trip reset		
high													
med													
low													
THERMOCOUPLE (LOC)					Σ °C	Δ °C	THERMOCOUPLE (LOC)					Σ °C	Δ °C
TOP FRONT COIL 114					67.80	44.80							
TOP REAR COIL 112					67.80	44.80							

FIG. 6

602

9/9

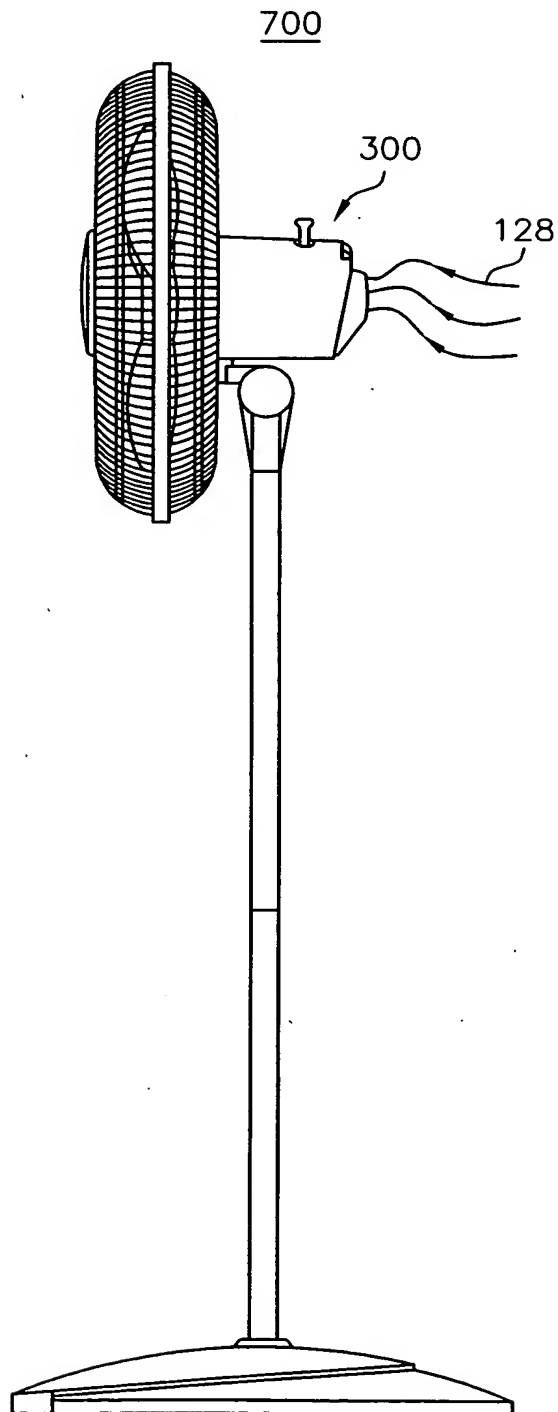


FIG. 7